

Converting Colors

$Yxy(32.8256, 0.2244, 0.2172)$

Have a look what the booklet for
Yxy(32.8256, 0.2244, 0.2172)
contains.

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Color

Yxy(32.9386, 0.2245, 0.2172)

Conversions

Conversions Part 1

Format	Color
Hex	749AED
RGB	116, 154, 237
RGB Percent	45%, 60%, 93%
CMY	0.5449, 0.3961, 0.0707
CMYK	0.51, 0.35, 0.00, 0.07
HSL	221°, 77%, 69%
HSV	221°, 51%, 93%
XYZ	34.0457, 32.9386, 84.6668
YIQ	152.1000, -49.2910, 17.7570

Conversions

Conversions Part 2

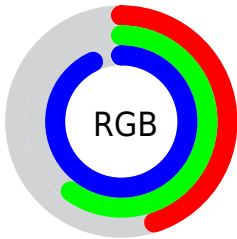
Format	Color
R _Y B	116, 145, 237
Decimal	7641837
CIE Lab	64.11, 9.79, -45.79
CIE LCh	64, 46.826, 282.066
Yxy	32.9386, 0.2245, 0.2172
Android (android.graphics.Color)	4285831917 (0xFF749AED)
YUV	152.1000, 41.8557, -31.6597
Hunter-Lab	57.3922, 5.4519, -47.2920

Details

The Yxy color **32.9386, 0.2245, 0.2172** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **60.1231, 0.4072, 0.4184**, and the grayscale version is **31.2812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3304, 0.2606, 0.2753**, and **13.8489, 0.1989, 0.1866** is the 20% darker color. If you saturate the color by 10%, you get **26.5079, 0.2071, 0.1907**, and if you desaturate by 10%, it is **40.5130, 0.2427, 0.2429**.

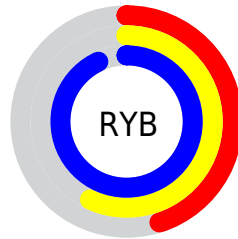
Distribution



Red (45%)

Green (60%)

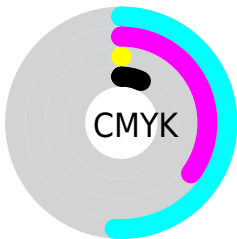
Blue (93%)



Red (45%)

Yellow (57%)

Blue (93%)

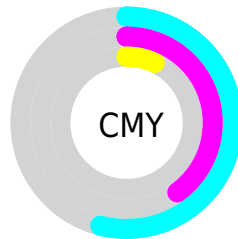


Cyan (51%)

Magenta (35%)

Yellow (0%)

Black (7%)



Cyan (54%)

Magenta (40%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9386, 0.2245, 0.2172 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 32.9386, 0.2245, 0.2172 by changing the saturation by 10% instead.

■ 32.9386, 0.2245,
0.2172

■ 32.9386, 0.2245,
0.2172

315.3730, 0.2694,
0.2724

■ 22.0794, 0.2134,
0.2041

■ 64.2797, 0.2408,
0.2368

■ 13.9153, 0.1995,
0.1878

■ 85.5303, 0.2469,
0.2443

■ 8.0618, 0.1814,
0.1671

■ 111.0136, 0.2521,
0.2508

■ 4.1345, 0.1575,
0.1404

141.1139, 0.2566,
0.2563

■ 1.7491, 0.1252,
0.1059

176.2156, 0.2604,
0.2611

■ 0.4551, 0.0817,
0.0554

216.7030, 0.2638,

■ 0.0000, 0.0000,

0.2653

0.0000

262.9607, 0.2667,
0.2690

■ 32.9386, 0.2245,
0.2172

■ 32.9386, 0.2245,
0.2172

■ 26.5079, 0.2071,
0.1907

■ 40.5130, 0.2427,
0.2429

■ 21.1561, 0.1913,
0.1644

■ 49.2838, 0.2609,
0.2671

■ 16.8167, 0.1779,
0.1396

■ 59.3043, 0.2787,
0.2893

■ 13.4123, 0.1677,
0.1174

■ 70.6233, 0.2955,
0.3094

■ 11.0598, 0.1612,
0.1004

■ 83.2871, 0.3112,
0.3273

■ 96.7207, 0.3235,
0.3431

■ 98.8931, 0.3232,
0.3464

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.9386, 0.1920, 0.2296



32.9386, 0.2245, 0.2172



32.9386, 0.2824, 0.2289

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



32.9386, 0.2245, 0.2172



32.9386, 0.4575, 0.3610



32.9386, 0.2606, 0.4149

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



32.9386, 0.2245, 0.2172



60.1231, 0.4072, 0.4184

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



32.9386, 0.3291, 0.4607



32.9386, 0.2245, 0.2172



32.9386, 0.4453, 0.4144

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.9386, 0.2245, 0.2172



32.9386, 0.4243, 0.3073



32.9386, 0.3968, 0.4551



32.9386, 0.2097, 0.3381

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.9386, 0.2245, 0.2172



32.9386, 0.3313, 0.2482



32.9386, 0.3968, 0.4551



32.9386, 0.2823, 0.4355

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



32.9398, 0.2245, 0.2172



77.8356, 0.2888, 0.3016



68.3809, 0.2644, 0.3785



16.0551, 0.2853, 0.2973



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.9398, 0.2245, 0.2172



31.1605, 0.2067, 0.1901



24.0370, 0.2303, 0.1728



15.3202, 0.2980, 0.3124



6.2463, 0.1620, 0.1033



0.6570, 0.1697, 0.1307

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32.8357, 0.4113, 0.2874



32.4157, 0.4436, 0.2813



76.2358, 0.3707, 0.4602



15.1319, 0.3244, 0.3216



10.1234, 0.5709, 0.2919



0.8117, 0.5317, 0.2703

Previews

White Background



This preview shows how the Yxy color 32.9386, 0.2245, 0.2172 looks on a white background.

Color Contrast Check

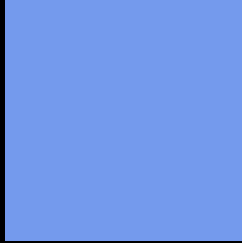
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 32.9386, 0.2245, 0.2172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

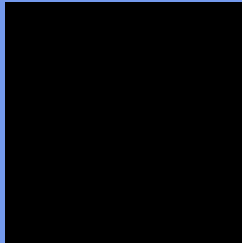
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

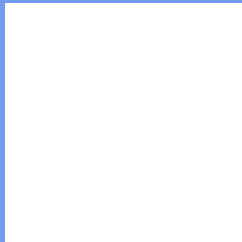
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.9386, 0.2245, 0.2172

Background



This preview shows how black text looks on a background with the Yxy color 32.9386, 0.2245, 0.2172.



This preview shows how white text looks on a background with the Yxy color 32.9386, 0.2245, 0.2172.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

32.9386, 0.2245, 0.2172

Protanopia

32.8146, 0.2303, 0.2179

Deuteranopia

32.8030, 0.2233, 0.2169



Tritanopia

33.0685, 0.2486, 0.3079

Trichromacy



Original Color

32.9386, 0.2245, 0.2172

Protanomaly

32.9762, 0.2282, 0.2178

Deuteranomaly

32.8705, 0.2239, 0.2170

Tritanomaly

32.9538, 0.2392, 0.2713

Monochromacy



Original Color

32.9386, 0.2245, 0.2172

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.6903, 0.2741, 0.2840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9386, 0.2245, 0.2172 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(116, 154, 237)` looks like.

```
.text, #text, p{  
    color:rgb(116, 154, 237)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(116, 154, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 154, 237) }
```

Border

The CSS property to change the border of an element to Yxy 32.9386, 0.2245, 0.2172 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 154, 237) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(116, 154, 237) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(116, 154, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 154, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 154, 237);  
box-shadow:4px 4px 4px 4px rgb(116, 154,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9386, 0.2245, 0.2172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 154, 237) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(116,  
154, 237) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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